


Please type a plus sign (+) inside this box ☐

PTO/SB/05 (03-01)  
Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL		Attorney Docket No. R2184.0100/P100	
(Only for new nonprovisional applications under 37 CFR 1.53(b))		First Inventor	Tatsuya Fukunishi
		Title	SECONDARY BATTERY CONTROL, etc.
		Express Mail Label No.	
APPLICATION ELEMENTS		ADDRESS TO: Box Patent Application Commissioner for Patents Washington, DC 20231	
See MPEP chapter 600 concerning utility patent application contents.			
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)		7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)	
2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.		8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)	
3. <input checked="" type="checkbox"/> Specification (Total Pages 39) (preferred arrangement set forth below) <ul style="list-style-type: none"><li>- Descriptive title of the invention</li><li>- Cross Reference to Related Applications</li><li>- Statement Regarding Fed sponsored R &amp; D</li><li>- Reference to sequence listing, a table, or a computer program listing appendix</li><li>- Background of the Invention</li><li>- Brief Summary of the Invention</li><li>- Brief Description of the Drawings (if filed)</li><li>- Detailed Description</li><li>- Claim(s)</li><li>- Abstract of the Disclosure</li></ul>		a. <input type="checkbox"/> Computer Readable Form (CRF)	
4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) (Total Sheets 5)		b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper	
5. Oath or Declaration (Total Pages ) a. <input type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed) i. <input type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).		c. <input type="checkbox"/> Statements verifying identity of above copies	
6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76		ACCOMPANYING APPLICATIONS PARTS	
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No.: _____ Prior application information: Examiner _____ Group / Art Unit: _____ For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.		9. <input type="checkbox"/> Assignment Papers (cover sheet & document(s))	
		10. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney	
		11. <input type="checkbox"/> English Translation Document (if applicable)	
		12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations	
		13. <input type="checkbox"/> Preliminary Amendment	
		14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)	
		15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)	
		16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.	
		17. <input type="checkbox"/> Other: _____	
19. CORRESPONDENCE ADDRESS			
<input type="checkbox"/> Customer Number or Bar Code Label		or <input checked="" type="checkbox"/> Correspondence address below	
Name	DICKSTEIN SHAPIRO MORIN & OSHINSKY LLP Mark J. Thronson		
Address	2101 L Street NW		
City	Washington	State	DC
Country	US	Zip Code	20037-1526
	Telephone	(202) 785-9700	Fax (202) 887-0689
Name (Print/Type)	Mark J. Thronson	Registration No. (Attorney/Agent)	33,082
Signature		Date	May 9, 2001

<b>FEE TRANSMITTAL for FY 2001</b>				<b>Complete if Known</b>	
<i>Patent fees are subject to annual revision.</i>				Application Number	Not Yet Assigned
				Filing Date	May 9, 2001
				First Named Inventor	Tatsuya Fukunishi
				Examiner Name	Not Yet Assigned
				Group Art Unit	N/A
<b>TOTAL AMOUNT OF PAYMENT</b>		(\$)		710.00	Attorney Docket No.
				R2184.0100/P100	

METHOD OF PAYMENT		FEE CALCULATION (continued)																																																																																																																																																																																														
<b>1.</b> <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to: <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 45%;">                     Deposit Account Number: <span style="border: 1px solid black; padding: 2px 20px;">04-1073</span>                      Deposit Account Name: <span style="border: 1px solid black; padding: 2px 40px;"></span> </div> <div style="width: 50%;"> <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17  <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27                 </div> </div>		<b>3. ADDITIONAL FEES</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity Fee Code</th> <th style="text-align: left;">Fee (\$)</th> <th style="text-align: left;">Small Entity Fee Code</th> <th style="text-align: left;">Fee (\$)</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: center;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for <i>ex parte</i> reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>600</td><td>244</td><td>300</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>710</td><td>246</td><td>355</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355</td><td>For each additional invention to be examined (37CFR 1.129(b))</td><td></td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="6" style="padding: 5px;">Other fee (specify) _____</td></tr> <tr> <td colspan="4" style="padding: 5px;">*Reduced by Basic Filing Fee Paid</td> <td colspan="2" style="padding: 5px;"><b>SUBTOTAL (3)</b> (\$)</td> </tr> </tbody> </table>					Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - late filing fee or oath		127	50	227	25	Surcharge - late provisional filing fee or cover sheet.		139	130	139	130	Non-English specification		147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination		112	920*	112	920*	Requesting publication of SIR prior to Examiner action		113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action		115	110	215	55	Extension for reply within first month		116	390	216	195	Extension for reply within second month		117	890	217	445	Extension for reply within third month		118	1,390	218	695	Extension for reply within fourth month		128	1,890	228	945	Extension for reply within fifth month		119	310	219	155	Notice of Appeal		120	310	220	155	Filing a brief in support of an appeal		121	270	221	135	Request for oral hearing		138	1,510	138	1,510	Petition to institute a public use proceeding		140	110	240	55	Petition to revive - unavoidable		141	1,240	241	620	Petition to revive - unintentional		142	1,240	242	620	Utility issue fee (or reissue)		143	440	243	220	Design issue fee		144	600	244	300	Plant issue fee		122	130	122	130	Petitions to the Commissioner		123	50	123	50	Processing fee under 37 CFR 1.17(q)		126	180	126	180	Submission of Information Disclosure Stmt		581	40	581	40	Recording each patent assignment per property (times number of properties)		146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))		149	710	249	355	For each additional invention to be examined (37CFR 1.129(b))		179	710	279	355	Request for Continued Examination (RCE)		169	900	169	900	Request for expedited examination of a design application		Other fee (specify) _____						*Reduced by Basic Filing Fee Paid				<b>SUBTOTAL (3)</b> (\$)	
Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																											
105	130	205	65	Surcharge - late filing fee or oath																																																																																																																																																																																												
127	50	227	25	Surcharge - late provisional filing fee or cover sheet.																																																																																																																																																																																												
139	130	139	130	Non-English specification																																																																																																																																																																																												
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination																																																																																																																																																																																												
112	920*	112	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																												
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																												
115	110	215	55	Extension for reply within first month																																																																																																																																																																																												
116	390	216	195	Extension for reply within second month																																																																																																																																																																																												
117	890	217	445	Extension for reply within third month																																																																																																																																																																																												
118	1,390	218	695	Extension for reply within fourth month																																																																																																																																																																																												
128	1,890	228	945	Extension for reply within fifth month																																																																																																																																																																																												
119	310	219	155	Notice of Appeal																																																																																																																																																																																												
120	310	220	155	Filing a brief in support of an appeal																																																																																																																																																																																												
121	270	221	135	Request for oral hearing																																																																																																																																																																																												
138	1,510	138	1,510	Petition to institute a public use proceeding																																																																																																																																																																																												
140	110	240	55	Petition to revive - unavoidable																																																																																																																																																																																												
141	1,240	241	620	Petition to revive - unintentional																																																																																																																																																																																												
142	1,240	242	620	Utility issue fee (or reissue)																																																																																																																																																																																												
143	440	243	220	Design issue fee																																																																																																																																																																																												
144	600	244	300	Plant issue fee																																																																																																																																																																																												
122	130	122	130	Petitions to the Commissioner																																																																																																																																																																																												
123	50	123	50	Processing fee under 37 CFR 1.17(q)																																																																																																																																																																																												
126	180	126	180	Submission of Information Disclosure Stmt																																																																																																																																																																																												
581	40	581	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																												
146	710	246	355	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																												
149	710	249	355	For each additional invention to be examined (37CFR 1.129(b))																																																																																																																																																																																												
179	710	279	355	Request for Continued Examination (RCE)																																																																																																																																																																																												
169	900	169	900	Request for expedited examination of a design application																																																																																																																																																																																												
Other fee (specify) _____																																																																																																																																																																																																
*Reduced by Basic Filing Fee Paid				<b>SUBTOTAL (3)</b> (\$)																																																																																																																																																																																												
<b>2. EXTRA CLAIM FEES</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Total Claims</th> <th style="text-align: left;">Independent Claims</th> <th style="text-align: left;">Multiple Dependent</th> <th style="text-align: left;">Extra Claims</th> <th style="text-align: left;">Fee from below</th> <th style="text-align: left;">Fee Paid</th> </tr> </thead> <tbody> <tr> <td>18</td> <td>3</td> <td></td> <td>-20** =</td> <td><input type="checkbox"/> X <input type="checkbox"/></td> <td>0.00</td> </tr> <tr> <td></td> <td></td> <td></td> <td>-3** =</td> <td><input type="checkbox"/> X <input type="checkbox"/></td> <td>0.00</td> </tr> <tr> <td colspan="5" style="padding: 5px;">Multiple Dependent</td> <td></td> </tr> </tbody> </table> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity Fee Code</th> <th style="text-align: left;">Fee (\$)</th> <th style="text-align: left;">Small Entity Fee Code</th> <th style="text-align: left;">Fee (\$)</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: center;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>710</td><td>201</td><td>355</td><td>Utility filing fee</td><td>710.00</td></tr> <tr><td>106</td><td>320</td><td>206</td><td>160</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>490</td><td>207</td><td>245</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>710</td><td>208</td><td>355</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="6" style="padding: 5px;"><b>SUBTOTAL (1)</b> (\$)</td></tr> <tr><td colspan="6" style="padding: 5px;">710.00</td></tr> </tbody> </table> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Large Entity Fee Code</th> <th style="text-align: left;">Fee (\$)</th> <th style="text-align: left;">Small Entity Fee Code</th> <th style="text-align: left;">Fee (\$)</th> <th style="text-align: left;">Fee Description</th> <th style="text-align: center;">Fee Paid</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>102</td><td>80</td><td>202</td><td>40</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>104</td><td>270</td><td>204</td><td>135</td><td>Multiple dependent claim, if not paid</td><td></td></tr> <tr><td>109</td><td>80</td><td>209</td><td>40</td><td>** Reissue independent claims over original patent</td><td></td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td><td></td></tr> <tr><td colspan="6" style="padding: 5px;"><b>SUBTOTAL (2)</b> (\$)</td></tr> <tr><td colspan="6" style="padding: 5px;">**or number previously paid, if greater; For Reissues, see above</td></tr> </tbody> </table>		Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid	18	3		-20** =	<input type="checkbox"/> X <input type="checkbox"/>	0.00				-3** =	<input type="checkbox"/> X <input type="checkbox"/>	0.00	Multiple Dependent						Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid	101	710	201	355	Utility filing fee	710.00	106	320	206	160	Design filing fee		107	490	207	245	Plant filing fee		108	710	208	355	Reissue filing fee		114	150	214	75	Provisional filing fee		<b>SUBTOTAL (1)</b> (\$)						710.00						Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid	103	18	203	9	Claims in excess of 20		102	80	202	40	Independent claims in excess of 3		104	270	204	135	Multiple dependent claim, if not paid		109	80	209	40	** Reissue independent claims over original patent		110	18	210	9	** Reissue claims in excess of 20 and over original patent		<b>SUBTOTAL (2)</b> (\$)						**or number previously paid, if greater; For Reissues, see above																																																																												
Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid																																																																																																																																																																																											
18	3		-20** =	<input type="checkbox"/> X <input type="checkbox"/>	0.00																																																																																																																																																																																											
			-3** =	<input type="checkbox"/> X <input type="checkbox"/>	0.00																																																																																																																																																																																											
Multiple Dependent																																																																																																																																																																																																
Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																											
101	710	201	355	Utility filing fee	710.00																																																																																																																																																																																											
106	320	206	160	Design filing fee																																																																																																																																																																																												
107	490	207	245	Plant filing fee																																																																																																																																																																																												
108	710	208	355	Reissue filing fee																																																																																																																																																																																												
114	150	214	75	Provisional filing fee																																																																																																																																																																																												
<b>SUBTOTAL (1)</b> (\$)																																																																																																																																																																																																
710.00																																																																																																																																																																																																
Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																											
103	18	203	9	Claims in excess of 20																																																																																																																																																																																												
102	80	202	40	Independent claims in excess of 3																																																																																																																																																																																												
104	270	204	135	Multiple dependent claim, if not paid																																																																																																																																																																																												
109	80	209	40	** Reissue independent claims over original patent																																																																																																																																																																																												
110	18	210	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																												
<b>SUBTOTAL (2)</b> (\$)																																																																																																																																																																																																
**or number previously paid, if greater; For Reissues, see above																																																																																																																																																																																																

SUBMITTED BY			Complete (if applicable)	
Name (print/type)	Mark J. Thronson	Registration No. (Attorney/Agent)	33,082	Telephone
Signature				Date
				May 9, 2001